

Applicant : David L. Poll, et al.
Appln. No. : 10/713,792
Page : 7

Amendments to the CLAIMS:

Claims 1-22 (Canceled)

23. (Original) An electrochromic device comprising an electrochromic medium having a color stability ΔE less than 10, measured in its low transmission state after being subject to continuous cycling outdoors at an angle of 5° from a horizontal condition for two years outdoors, each cycle consisting of application of sufficient potential for a sufficient time such that the window reaches its low transmission state.

24. (Original) The electrochromic device of claim 23, wherein each cycle consists of applying a voltage of about 1.2V for 20 sec. and 0.0V for 40 sec.

25. (Original) The electrochromic device of claim 23, wherein said electrochromic medium is dispersed in a cross-linked polymer matrix.

26. (Original) An electrochromic device comprising an electrochromic medium having a color stability ΔE less than 10, measured in its high transmission state after being subject to continuous cycling outdoors at an angle of 5° from a horizontal condition for two years outdoors, each cycle consisting of application of sufficient potential for a sufficient time such that the window reaches its low transmission state.

Applicant : David L. Poll, et al.
Appln. No. : 10/713,792
Page : 8

27. (Original) The electrochromic device of claim 26, wherein each cycle consists of applying a voltage of about 1.2V for 20 sec. and 0.0V for 40 sec.

28. (Original) The electrochromic device of claim 26, wherein said electrochromic medium is dispersed in a cross-linked polymer matrix.

29. (Original) An electrochromic device comprising an electrochromic medium having a color stability ΔE less than 10, measured in its high transmission state after being subject to continuous cycling outdoors at an angle of 5° from a horizontal condition for one million cycles outdoors, each cycle consisting of application of sufficient potential for a sufficient time such that the window reaches its low transmission state.

30. (Original) The electrochromic device of claim 29, wherein each cycle consists of applying a voltage of about 1.2V for 20 sec. and 0.0V for 40 sec.

31. (Original) The electrochromic device of claim 29, wherein said electrochromic medium is dispersed in a cross-linked polymer matrix.

32. (New) The electrochromic device of claim 29 and further comprising:

a first substrate and a second substrate spaced apart and joined to form a sealed chamber between inner surfaces of said substrates, said electrochromic medium disposed within said sealed chamber;

Applicant : David L. Poll, et al.
Appln. No. : 10/713,792
Page : 9

a first electrode disposed on the inner surface of said first substrate; and
a second electrode disposed on the inner surface of said second substrate, said first and second electrodes being electrically isolated from one another.

33. (New) The electrochromic device of claim 32, wherein said substrates are positioned to have at least a first edge aligned with the first edge of the other substrate, the electrochromic device further comprising:

a first electrical connector clip electrically coupled to said first electrode and physically coupled to said first substrate along at least the first edge thereof; and

a second electrical connector clip electrically coupled to said second electrode and physically coupled to said second substrate along at least the first edge thereof,
wherein said first and second electrical connector clips include a plurality of spaced-apart fingers that respectively contact said first and second electrodes, the fingers of one connector clip being spaced apart from one another by a distance greater than the width of the fingers of the other connector clip such that the fingers of said both the connector clips intermesh without physically contacting the fingers of the other connector clip.

34. (New) The electrochromic device of claim 33, wherein said first electrical connector clip is electrically coupled to said first electrode about the entire perimeter of said first electrode and said second electrical connector clip is electrically is coupled to said second electrode about the entire perimeter of said second electrode.

Applicant : David L. Poll, et al.
Appln. No. : 10/713,792
Page : 10

35. (New) The electrochromic device of claim 32 and further comprising:

a first electrical conductor electrically coupled to said first electrode about the entire perimeter of said first electrode; and

a second electrical conductor electrically coupled to said second electrode about the entire perimeter of said second electrode.

36. (New) A window comprising a window frame and the electrochromic device of claim 29 mounted to said frame.

37. (New) A window comprising the electrochromic device of claim 29 and further including first and second transparent elements and a spacer for spacing and maintaining said first and second transparent elements in a parallel, spaced-apart relation with said electrochromic device provided between said transparent elements.

38. (New) The window of claim 37 and further including a seal for providing an airtight cavity between said transparent elements, wherein said electrochromic device is disposed in said airtight cavity.

39. (New) The window of claim 37, wherein at least a portion of the airtight cavity is filled with argon.

Applicant : David L. Poll, et al.
Appln. No. : 10/713,792
Page : 11

40. (New) A window comprising the electrochromic device of claim 23 and further including first and second transparent elements and a spacer for spacing and maintaining said first and second transparent elements in a parallel, spaced-apart relation with said electrochromic device provided between said transparent elements.

41. (New) The window of claim 40 and further including a seal for providing an airtight cavity between said transparent elements, wherein said electrochromic device is disposed in said airtight cavity.

42. (New) The window of claim 40, wherein at least a portion of the airtight cavity is filled with argon.

43. (New) A window comprising the electrochromic device of claim 26 and further including first and second transparent elements and a spacer for spacing and maintaining said first and second transparent elements in a parallel, spaced-apart relation with said electrochromic device provided between said transparent elements.

44. (New) The window of claim 43 and further including a seal for providing an airtight cavity between said transparent elements, wherein said electrochromic device is disposed in said airtight cavity.

Applicant : David L. Poll, et al.
Appln. No. : 10/713,792
Page : 12

45. (New) The window of claim 43, wherein at least a portion of the airtight cavity is filled with argon.